



US005201745A

United States Patent [19]**Tayot et al.**[11] **Patent Number:** **5,201,745**[45] **Date of Patent:** **Apr. 13, 1993**[54] **VISCERAL SURGERY PATCH**[75] **Inventors:** **Jean-Louis Tayot**, La Tour De Salvagny; **Jacques Marescaux**, Scharrachbergheim; **Henri Dumas**, Michel Tardy, both of Lyon, all of France[73] **Assignee:** **Imedex**, Lyon, France[21] **Appl. No.:** **746,199**[22] **Filed:** **Aug. 15, 1991****Related U.S. Application Data**

[63] Continuation of Ser. No. 458,748, filed as PCT/FR89/00108 Mar. 15, 1989, published as WO89/08467 Sep. 21, 1989, abandoned.

[30] **Foreign Application Priority Data**

Mar. 15, 1988 [FR] France 8803321

[51] **Int. Cl.⁵** **A61B 17/00**; **A61F 13/00**; **A61L 13/00**[52] **U.S. Cl.** **606/151**; **602/50**; **424/428**; **424/444**; **600/37**; **623/11**; **623/66**[58] **Field of Search** 128/156; 424/426, 444; 600/37; 606/151; 623/11, 15, 66; 602/50[56] **References Cited****U.S. PATENT DOCUMENTS**3,272,204 9/1966 Artandi et al. 606/151
3,491,760 1/1970 Braun et al. 623/1.5
3,526,228 9/1970 Lyng 606/151
4,291,013 9/1981 Wahlig et al. 623/11
4,403,604 9/1983 Wilkinson et al. 600/37**FOREIGN PATENT DOCUMENTS**

0227955 7/1987 European Pat. Off. .

Primary Examiner—Randall L. Green*Assistant Examiner*—Paul Prebilic*Attorney, Agent, or Firm*—Larson and Taylor[57] **ABSTRACT**

A patch for visceral surgery is made from a biomaterial consisting of two layers of collagen superimposed and closely combined, namely a porous adhesive layer of fibrous collagen and a film of collagen and/or gelatin.

14 Claims, No Drawings